

DAVID REYNOLDS

Senior Power Systems Engineer

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United States, Houston, TX

PROFESSIONAL SUMMARY

Results-driven Senior Power Systems Engineer with experience in designing, analyzing, and optimizing electrical power distribution systems. Expertise in high-voltage systems, substation design, and grid reliability. Proven leadership in large-scale infrastructure projects.

EDUCATION

Bachelor of Science in Electrical Engineering

University of Texas at Austin / Graduated May 2012

Certifications

- Professional Engineer (PE). – Electrical**
(Texas Board of Professional Engineers, May 2021)
- Certified Energy Manager (CEM).**
(Association of Energy Engineers, March 2020)

SKILLS

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|---------------------------------------|--------|
| • Power system analysis & protection | Expert |
| • Substation and switchgear design | Expert |
| • Load flow and short circuit studies | Expert |
| • High-voltage transmission systems | Expert |
| • Electrical safety and compliance | Expert |

EXPERIENCE

2020 - Now

Senior Power Systems Engineer

Schneider Electric / Houston, TX

- Lead the design and implementation of high-voltage power systems for industrial and commercial facilities.
- Conduct power flow and fault analysis using ETAP and PSCAD.
- Collaborate with cross-functional teams to enhance grid reliability and efficiency.
- Develop maintenance strategies to reduce downtime and improve system performance.

2015 - 2019

Electrical Engineer

Siemens Energy / Dallas, TX

- Designed and tested power transmission systems for utility companies.
- Managed transformer and switchgear specifications for substations.
- Performed load flow and short circuit studies to ensure system stability.

2012 - 2015

Junior Electrical Engineer

ABB Group / Austin, TX

- Assisted in electrical system modeling and protective relay coordination.
- Conducted site inspections and provided technical support for power projects.
- Supported senior engineers in substation automation projects.